

Installation Instructions

Inlet Grille Kit

KSABG/KSACG
KSAPG


NOTE: Read the entire instruction manual before starting the installation.

This symbol → indicates a change since the last issue.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory authorized kits or accessories. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses and work gloves. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local building codes and National Electrical Code (NEC) for special requirements.

Recognized safety information. This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury as a result of improper installation.

Understand the signal words DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices, which **would** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

INTRODUCTION

This instruction will describe the process involved in replacing the standard inlet grille with the inlet grille kit.

DESCRIPTION AND USAGE

The inlet grille kit is designed to replace the standard inlet grille on residential air conditioner and heat pumps. The field installed enhanced inlet grille will help to provide greater protection against inclement weather, incidental damage, and vandalism. Each installation will require both an inlet grille and a parts bag consisting of the following:

Screws	As Required
Insulation	2
Cap	4
Installation Instructions	1

INSTALLATION

NOTE: The following procedure is much easier with two people. If a second person is not available, it is recommended that the top panel be removed from the unit before attempting to remove and install the inlet grilles.

Check inlet grille to be sure it is the correct size and color. Check that all parts are in the kit prior to removal of existing grille. Check grille for any damage that may have occurred during shipping. Minor shipping damage can be corrected by readjusting wire positions prior to placement on unit.

PROCEDURE 1—REMOVE EXISTING GRILLE

1. Turn off power to unit.
2. Remove screws securing existing inlet grille to top panel and base pan.
3. On 3-sided coils, remove screw securing corner post (logo panel) to coil tube sheet.
- 4. On 4-sided and round coils, remove 2 screws securing service panel (below control box) to coil tube sheet.
5. Lift and hold top panel up and remove existing inlet grille.

PROCEDURE 2—INSTALL NEW INLET GRILLE

1. The new inlet grille has a vertical mounting rod on each end. Check unit to see if slot is provided in sheet metal before installing grille. If no slots are provided, remove caps from parts bag and install on both ends of last vertical mounting rod.
2. On 3-sided coils, make sure upper and lower horizontal extension wires are located on service panel (service valve) side of unit. Longer horizontal wires will extend through slot in tube sheet on service panel side only. On corner post side (logo panel), the longer horizontal wires should be located so they are trapped between corner post and coil tube sheet.

- 3. On 4-sided and round coils, make sure longer horizontal extension wires are located on left side of service panel (suction valve side). Longer horizontal wires will extend through slot in tube sheet on left side of service panel. On right side of service panel, horizontal wires will be located on inside of tube sheet flange.
- 4. Before lowering top panel onto inlet grille, align vertical mounting rod eyelets on inlet grille with holes in base pan on front of unit to facilitate screw installation.
- 5. Lower top panel onto unit. Make sure all inlet grille vertical wires are located inside the top panel and base pan. Make sure horizontal wires are positioned correctly as described in previous steps.
- 6. Check alignment again on front of unit. If holes are not aligned use both hands to rotate inlet grille until holes are aligned. Be careful not to damage grille or coil.
- 7. On 4-sided and round coils, using hardware provided, install screws on front of unit. Then install screws on sides of unit except the end vertical mounting rods. If holes are not provide in sheet metal, it is not necessary to install screws into end vertical mounting rod on inlet grille.

→ **NOTE:** On round coils, inlet grilles do not have end vertical mounting rods.

NOTE: Drilling or using self-tapping screws into sheet metal may damage refrigerant coil.

- 8. On 3-sided coils, using hardware provided, install screw on front corner (end opposite service panel). Next, install screws on other 2 corners. If holes are provided in sheet metal, install screws into end vertical mounting rod on inlet grille. If holes are not provided in sheet metal, it is not necessary to install screws into end vertical mounting rod on inlet grille.

NOTE: Drilling or using self-tapping screws into sheet metal may damage refrigerant coil.

- 9. Reinstall screws in corner post or service panel.

- 10. Turn power back on and start unit.

NOTE: Insulation provided in parts bag is not required for installation of grille. Testing has confirmed that the addition of this grille reduces objectionable noises. In a few extreme cases, extra sound deadening may be required to completely eliminate objectionable noises. Use insulation where needed to improve sound quality.